



Snow and Ice Response Plan 2010-2011



Seattle City Council
November 2010



Seattle Department of Transportation





Snow and Ice Response Plan

- Proactive snow-fighting strategies
- Systems, equipment, facilities upgrades
- Organizational structure and training
- Communications
- Evaluation





SDOT Strategy - Anti-icing and Deicing

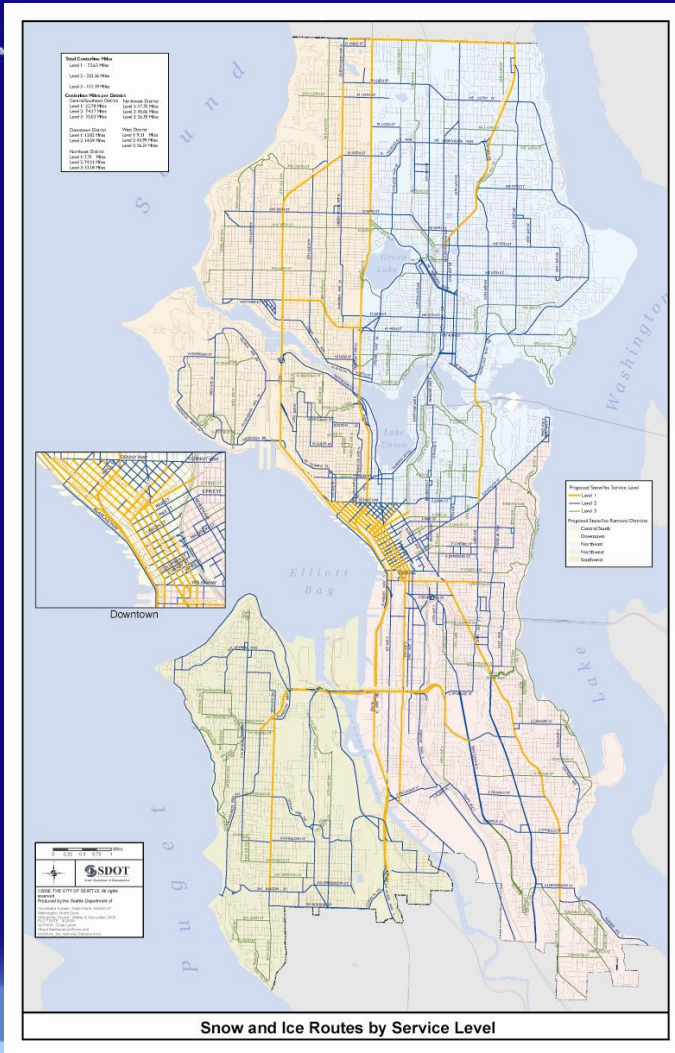



- Anti-icing impedes the bond between ice and pavement
- Deicing removes existing snow and ice
- Use enhanced salt brine and granular salt
- Use 2:1 sand and salt mix for areas that need additional traction.





Snow-fighting Routes and Service Levels



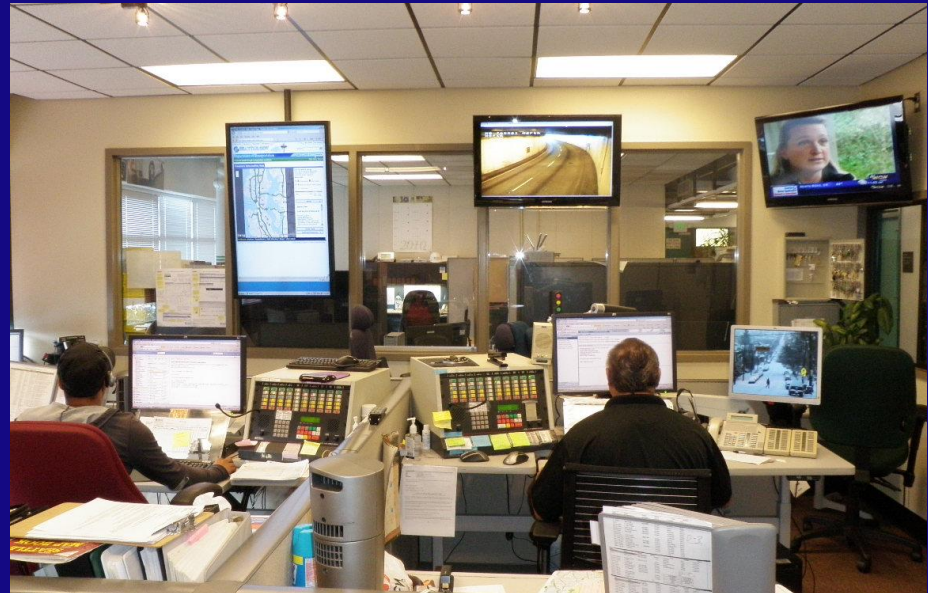
- High-volume arterials, bus corridors
 - Connections within the city and to I-5 and SR-99
 - Service Levels
 - 1: bare and wet
 - 2: bare and wet in one lane/direction
 - 3: deicing on curves, hills and stopping zones
 - No residential streets
- 





Upgrades and other changes

- Real time data (GPS)
- Work Management
- Situation room & Dispatch upgrades
- Centralized response
- Specific org chart for snow events
- Intensive training
- Contractor Support
- Incident Management Structure






2010 Program Enhancements

- Snow will be plowed to the shoulder to increase bus mobility and reduce refreezing on the road
 - Recommend that routes are clear of vehicles
- Bare and wet road conditions on treated streets within 8 – 12 hours
 - Accounts for traffic, volumes, signals, etc.



Interagency Communications

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- Closer coordination with SPD, SPU, Metro & WSDOT
 - Cooperative planning
 - New interagency agreements
 - SPD and Metro liaisons



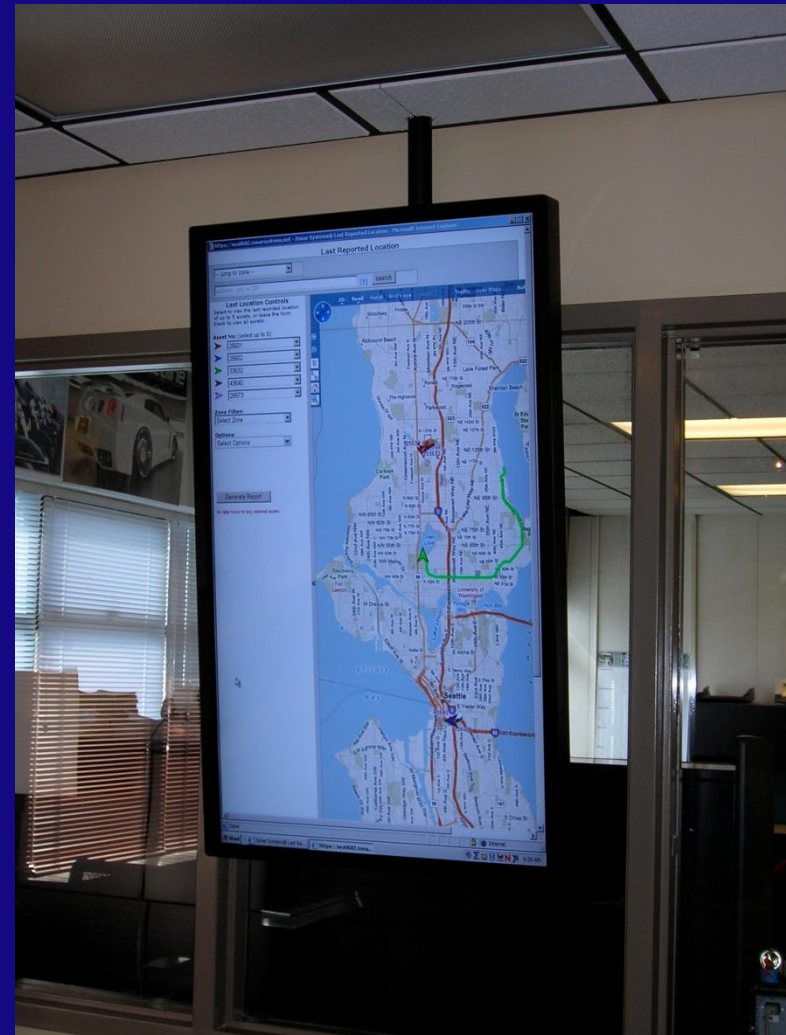
Public Communication

- Meetings to communicate 2010 plan
- Redesigned winter weather brochure
- Updated Web-based information
- Increased use of Twitter, Facebook and SDOT Blog



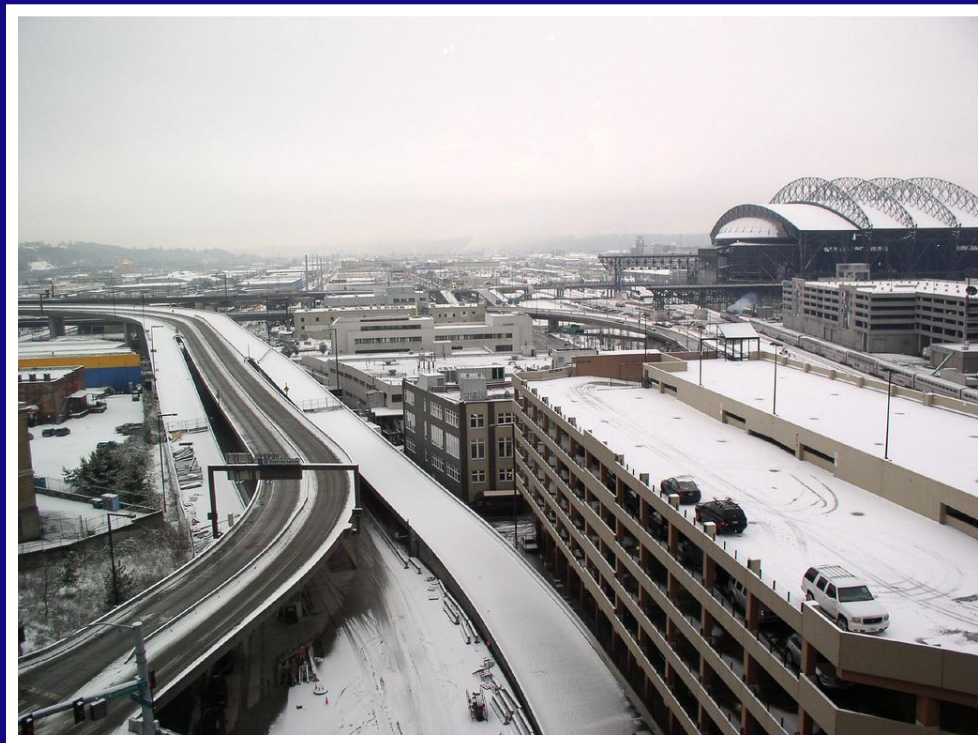
Evaluation

- Condition of streets
- Percentage of routes that are bare
- Time to achieve bare pavement (by route)





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SDOT on the web:

<http://www.seattle.gov/transportation/winterweather.htm>



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Pocket Slides



Bike Facilities and Level 1 Routes



Major Truck Streets and Level 1 Routes

